8-002.07 UPPER SANTA ANA VALLEY - YUCAIPA

Basin Boundaries

Summary

The Yucaipa groundwater subbasin underlies Yucaipa Valley in southwestern San Bernardino County and northwestern Riverside County. The subbasin is bound on the north by surface drainage divides, the Crafton Hills, and the San Andreas fault zone. The subbasin is bound on the east by surface drainage divides and consolidated rocks in the foothills of the San Bernardino Mountains. The southern boundary adjoins the San Timoteo groundwater subbasin and is defined by surface drainage divides and the Cherry Valley fault. The area overlying the basin is drained by Oak Glen, Wilson, and Yucaipa Creeks, which flow westerly toward San Timoteo Wash, a tributary to the Santa Ana River. The average annual precipitation ranges from 12 to 28 inches.The subbasin boundary is defined by twelve (12) segments detailed in the descriptions below.

Segment Descriptions

Segment Label	Segment Type	Description	Ref
1-2	I Watershed	Begins from point (1) and follows the watershed boundary to point (2).	{a}
2-3	E Alluvial	Continues from point (2) and generally follows the contact of Quaternary alluvium with Cretaceous Pelona Schist and Precambrian to Mesozoic metasedimentary rocks of the Crafton Hills to point (3).	{b}
3-4	I Watershed	Continues from point (3) follows the watershed boundary to point (4).	{a}
4-5	E Alluvial	Continues from point (4) and follows the San Andreas fault zone and the contact of Quaternary alluvium with the Miocene Potato Formation and the Precambrian to Mesozoic metasedimentary rocks to point (5).	{c}
5-6	I Watershed	Continues from point (5) and follows the Oak Glen hydrologic subarea boundary to point (6).	{a}
6-7	E Alluvial	Continues from point (6) and follows the contact of Quaternary alluvium with Precambrian to Mesozoic gneiss of the Yucaipa Hills to point (7).	{c}
7-8	I Watershed	Continues from point (7) and follows the South Mesa hydrologic subarea boundary to point (8).	{a}
8-9	E Alluvial	Continues from point (8) and generally follows the contact of Quaternary alluvium with Precambrian to Mesozoic metasedimentary rocks and Mesozoic plutonic rocks of the Yucaipa Hills to point (9).	{c}
9-10	E Fault	Continues from point (9) and follows the Banning fault to point (10).	{d}
10-11	I Watershed	Continues from point (10) and follows the Cherry Valley hydrologic subarea boundary to point (11).	{a}
11-12	I Fault	Continues from point (11) and follows the Cherry Valley Fault and the Beaumont (2004) judgment boundary to point (12).	{e}

12-1	I Watershed	Continues from point (13) and follows the Yucaipa hydrologic subarea boundary and ends at point (1).	{a}

Significant Coordinates

Point	Latitude	Longitude
1	34.031208289	-117.208672574
2	34.039592718	-117.102501622
3	34.066930937	-117.045619753
4	34.07353448	-117.020892432
5	34.048498655	-116.939353509
6	34.043454215	-116.945964143
7	34.016401119	-116.964104014
8	34.004465601	-116.969133404
9	33.992465806	-117.028982897
10	33.982864014	-117.001638571
11	33.983342257	-117.036922527
12	34.001856296	-117.105299244

Map

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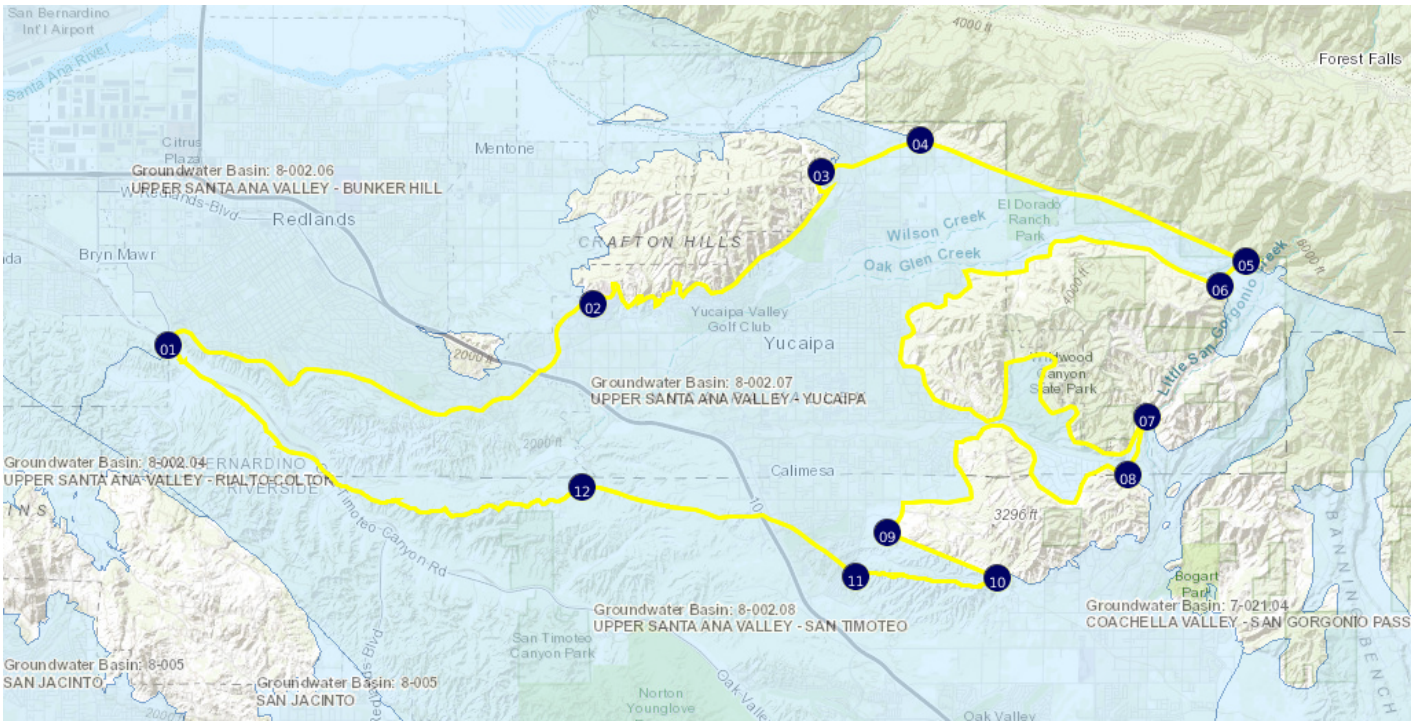

https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=8-002.07

References

Ref	Citation	Pub Date	Global ID
{a}	United States Geological Survey (USGS), National Hydrography Dataset, Watershed Boundary Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://datagateway.nrcs.usda.gov	2016	49
{b}	California Geological Survey (CGS), Geologic Compilation of Quaternary Surficial Deposits in Southern California, T.L. Bedrossian, P. Roffers, C.A. Hayhurst, J.T. Lancaster, and W.R. Short.URL: http://www.conservation.ca.gov/cgs/fwgp/Pages/sr217.aspx	2012	50
{c}	California Geological Survey (CGS), Regional Geologic Map No. 3A, San Bernardino Quadrangle, 1:250,000, E.J. Bortungno and T.E. Spittler.URL: http://www.quake.ca.gov/gmaps/RGM/sanbernardino/sanbernardino.html	1986	6
{d}	California Geological Survey (CGS), Geologic Atlas of California Map No. 019, Santa Ana Sheet, 1:250,000, Thomas H. Rogers.URL: http://www.quake.ca.gov/gmaps/GAM/santaana/santaana.html	1965	25
{e}	California Department of Water Resources (DWR), Adjudicated Basins GIS layer, .URL: https://gis.water.ca.gov/app/bbat/	2016	44

Footnotes

- I: Internal
- E: External